Recombinant Human SKAP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SKAP2-1397H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SKAP2 MS Standard C13 and N15-labeled recombinant protein (NP_003921) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene shares homology with Src kinase-associated phosphoprotein 1, and is a substrate of Src family kinases. It is an adaptor protein that is thought to play an essential role in the Src signaling pathway, and in regulating proper activation of the immune system. This protein contains an amino terminal coiled-coil domain for self-dimerization, a plecskstrin homology (PH) domain required for interactions with lipids at the membrane, and a Src homology (SH3) domain at the carboxy terminus. Some reports indicate that this protein inhibits actin polymerization through interactions with actin assembly factors, and might negatively regulate the invasiveness of tumors by modulating actin assembly. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	41.2 kDa
AA Sequence	MPNPSSTSSPYPLPEEIRNLLADVETFVADILKGENLSKKAKEKRESLIKKIKDVKSIYL QEFQDKGDAEDGEEYDDPFAGPPDTISLASERYDKDDEAPSDGAQFPPIAAQDLPF VLKAGYLEKRRKDHSFLGFEWQKRWCALSKTVFYYYGSDKDKQQKGEFAIDGYSV

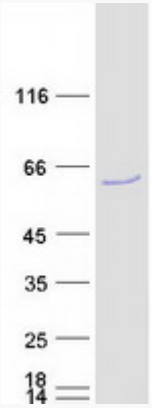
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	RMNNTLRKDGKKDCCFEISAPDKRIYQFTAASPKDAEEWVQQLKFVLQDMESDIIPE DYDERGELYDDVDHPLPISNPLTSSQPIDDEIYEELPEEEEDSAPVKVEEQRKMSQD SVHHTSGDKSTDYANFYQGLWDCTGAFSDELSFKRGDVIYILSKEYNRYGWWVGE MKGAIGLVPKAYIMEMYDITRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SKAP2 src kinase associated phosphoprotein 2 [Homo sapiens (human)]
Official Symbol	SKAP2
Synonyms	SKAP2; src kinase associated phosphoprotein 2; SCAP2, src family associated phosphoprotein 2; src kinase-associated phosphoprotein 2; RA70; SAPS; SKAP HOM; SKAP55R; SKAP-55HOM; SKAP55 homolog; Pyk2/RAFTK-associated protein; src-associated adaptor protein; retinoic acid-induced protein 70; src family associated phosphoprotein 2; src family-associated phosphoprotein 2; Fyn-associated phosphoprotein SKAP55 homologue; src-associated adapter protein with PH and SH3 domains; src kinase-associated phosphoprotein 55-related protein; src kinase-associated phosphoprotein of 55-related protein; PRAP; SCAP2; SKAP-HOM; MGC10411; MGC33304;

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Gene ID	8935
mRNA Refseq	NM_003930
Protein Refseq	NP_003921
MIM	605215
UniProt ID	O75563
SDS-PAGE	

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